

FIG. 1

100

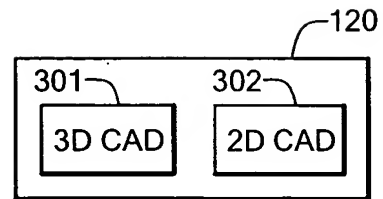


FIG. 3A

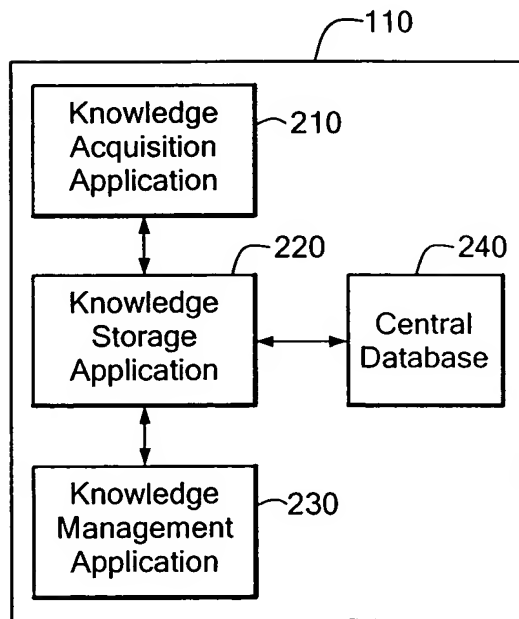


FIG. 2

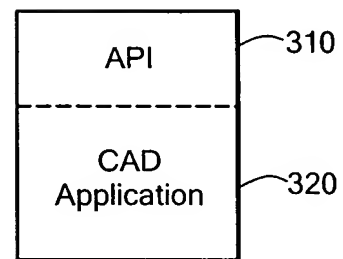
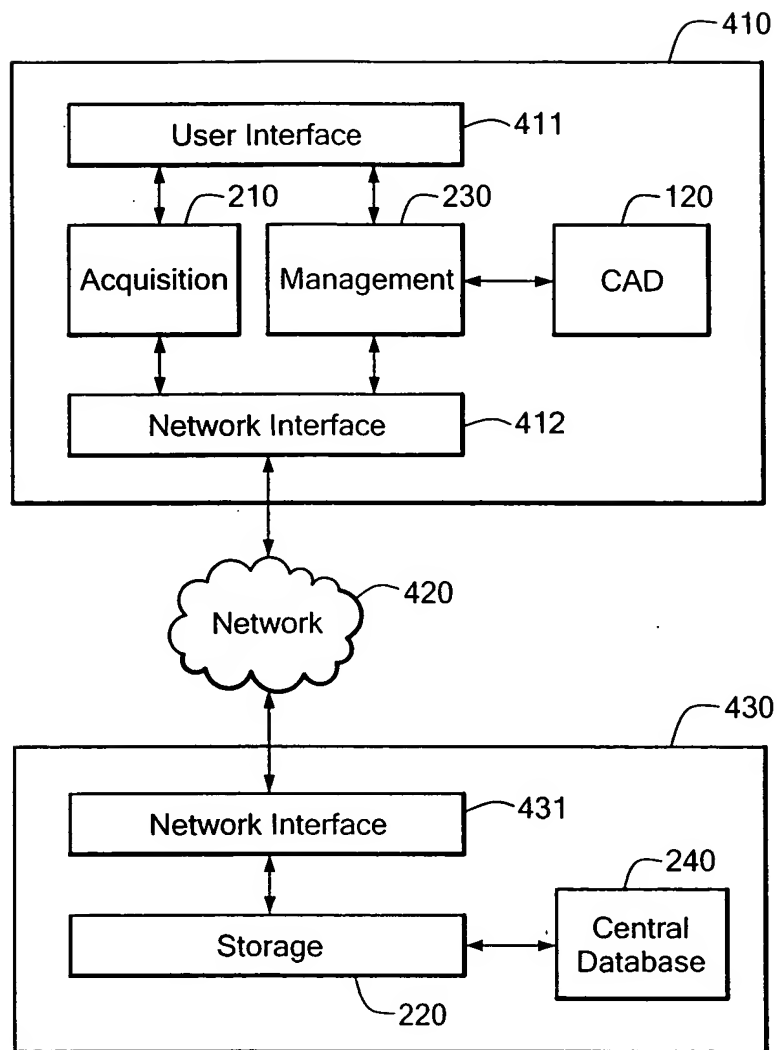


FIG. 3B



400

FIG. 4

RuleStream nAct Expert

File Edit View Help

Part Family - Tree

BuildingServicesFan

FanAssembly

Rotor

HousingAssembly

Housing

MotorAssembly

Motor

MountingAssembly

Mounting

510

BuildingServicesFan: MountingAssembly

Subscribed to

Description

Knowledge Source

Status

In Development

Last Updated

NAVION\jdrake 7/22/2002 11:45:02 AM

Display Name *

Mounting_Assembly

System Name *

MountingAssembly

Subpart Type *

Static

Category *

General

Valid Part Families *

Mounting

531

Context

BuildingServicesFan

Optimal Part Family *

User Edit

Follow Part Number

result = "Mounting"

532

Quantity

Exists When *

Part Names *

When Changed *

Documentation

* Required

All Specs (Alphabetical)

Density^L

FanArea^L

FanAssembly^L

FanDiameter^L

FanPressure^L

FrequentStartStop^L

HousingAssembly^L

MotorAssembly^L

MountingAssembly^L

PartNumber^M

SolidWorks^L

SpecifiedSpeed^L

SquareFlange^L

VolumeFlowRate^L

520

FIG. 5

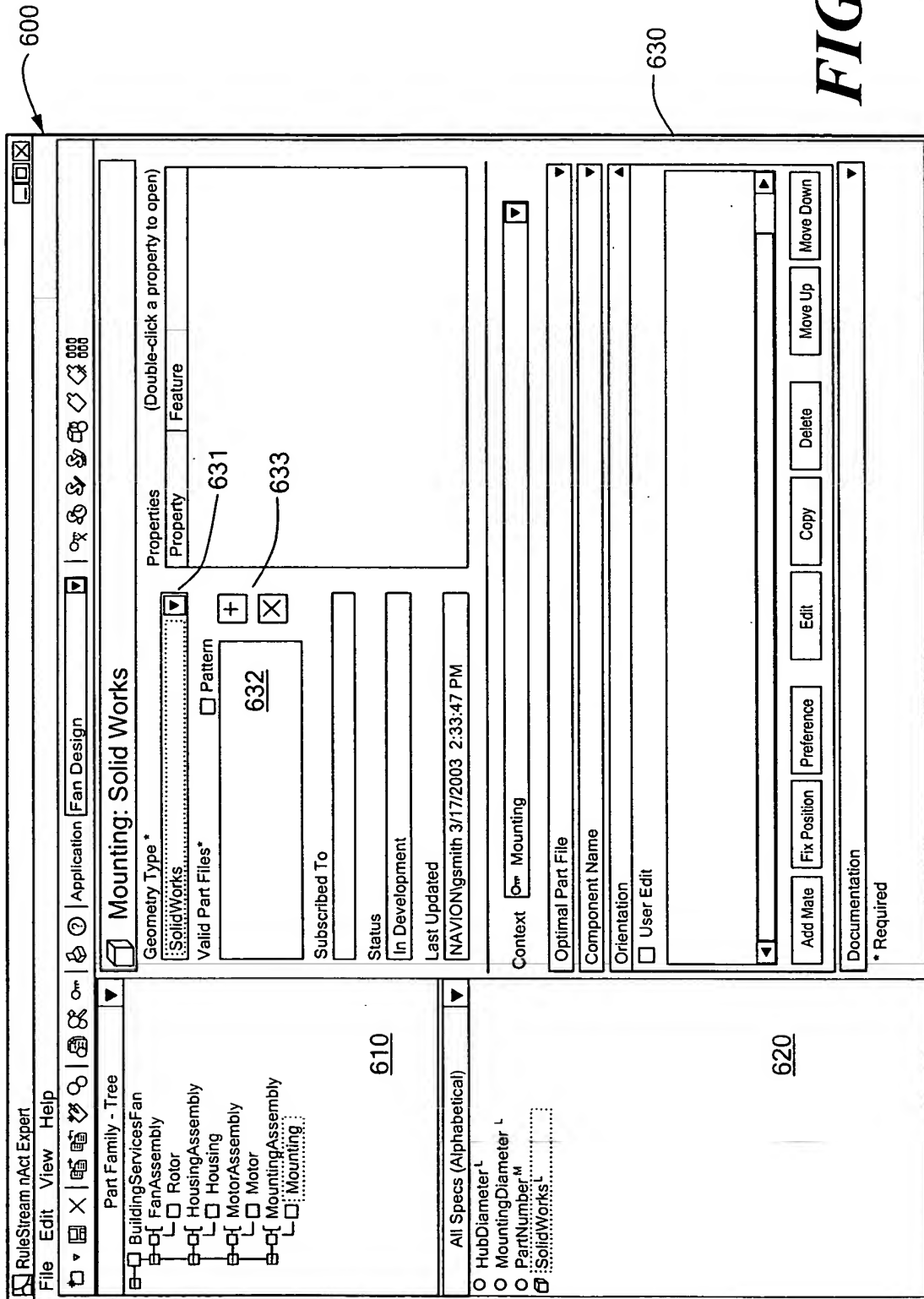


FIG. 6

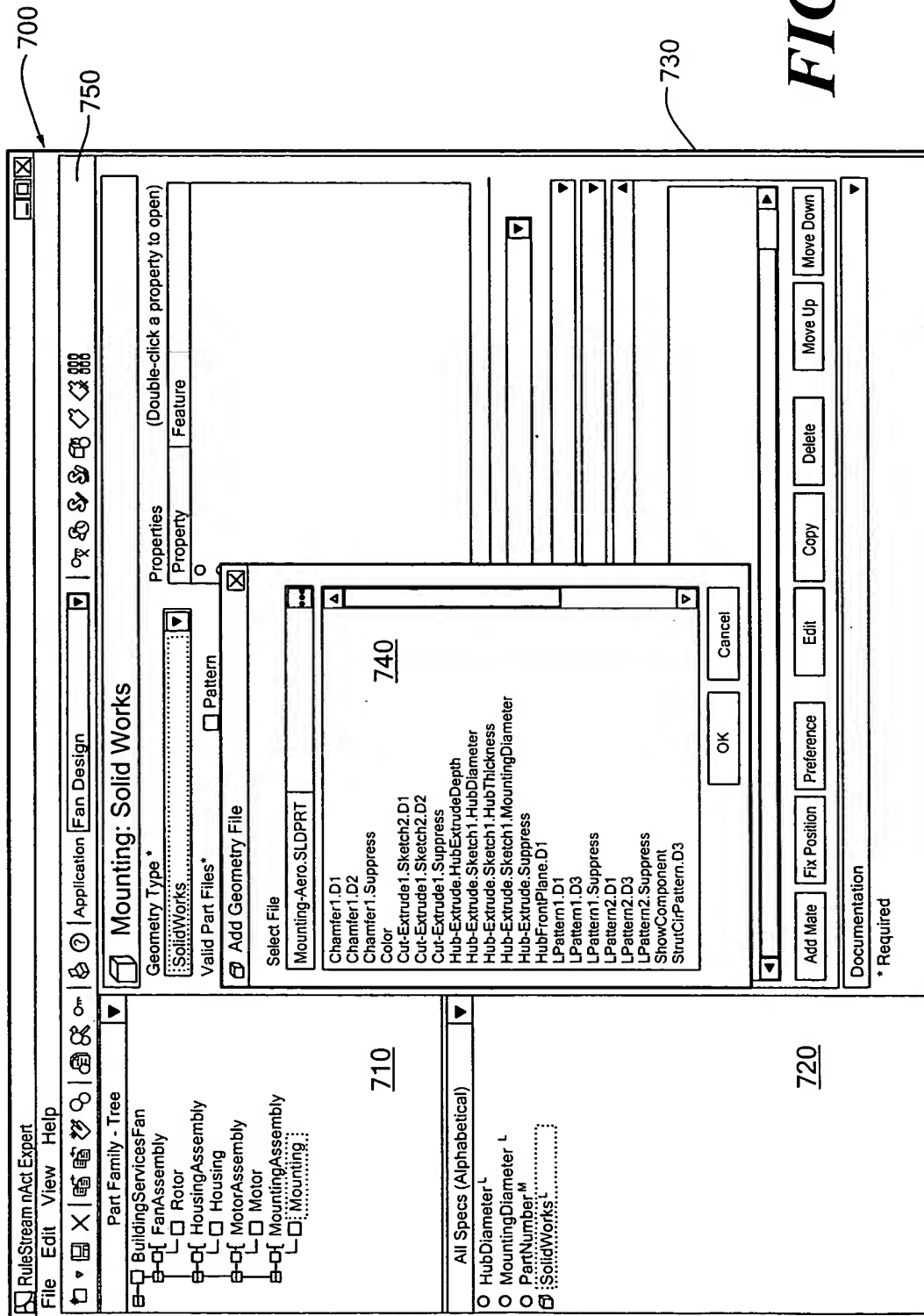


FIG. 7

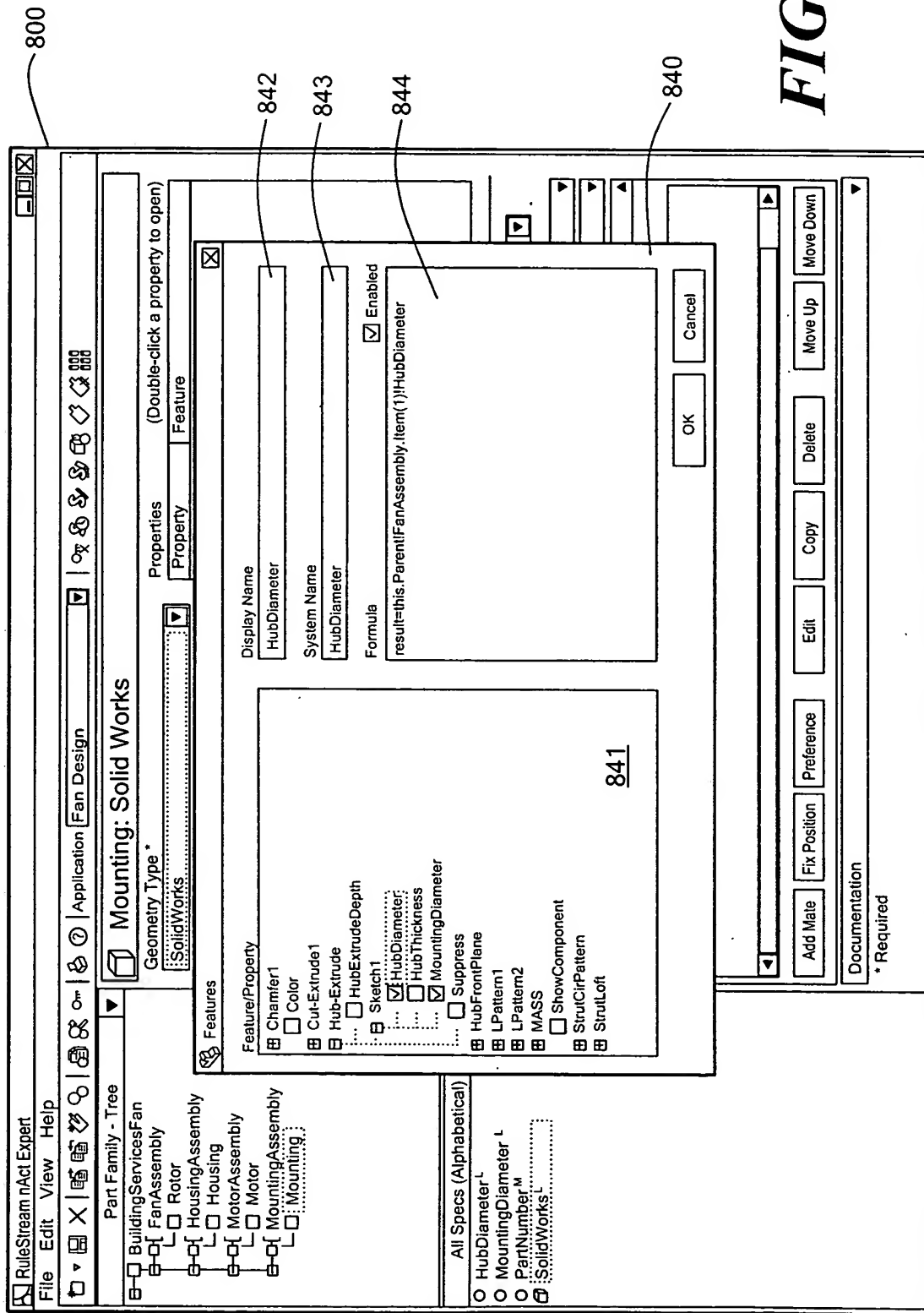


FIG. 8

RuleStream nAcI Expert

File Edit View Help

Part Family - Tree

BuildingServicesFan

FanAssembly

Rotor

HousingAssembly

Housing

MotorAssembly

Motor

MountingAssembly

Mounting

Application Fan Design

Mounting: Solid Works

Geometry Type *
SolidWorks
Valid Part Files*
Mounting-Aero.SLDPRT
+ X

Properties (Double-click a property to open)

Property	Feature
HubDiameter	Hub-Extrude.Sketch1.HubDiameter
MountingDiameter	Hub-Extrude.Sketch1.MountingDiameter

Subscribed To

Status
In Development

Last Updated
NAVIONgsmith 3/17/2003 2:33:47 PM

All Specs (Alphabetical)

HubDiameter^L

MountingDiameter^L

PartNumber^M

SolidWorks^L

Context Mounting

Optimal Part File

Component Name

Orientation

☐ User Edit

Add Mate

Fix Position

Preference

Edit

Copy

Delete

Move Up

Move Down

Documentation

* Required

FIG. 9

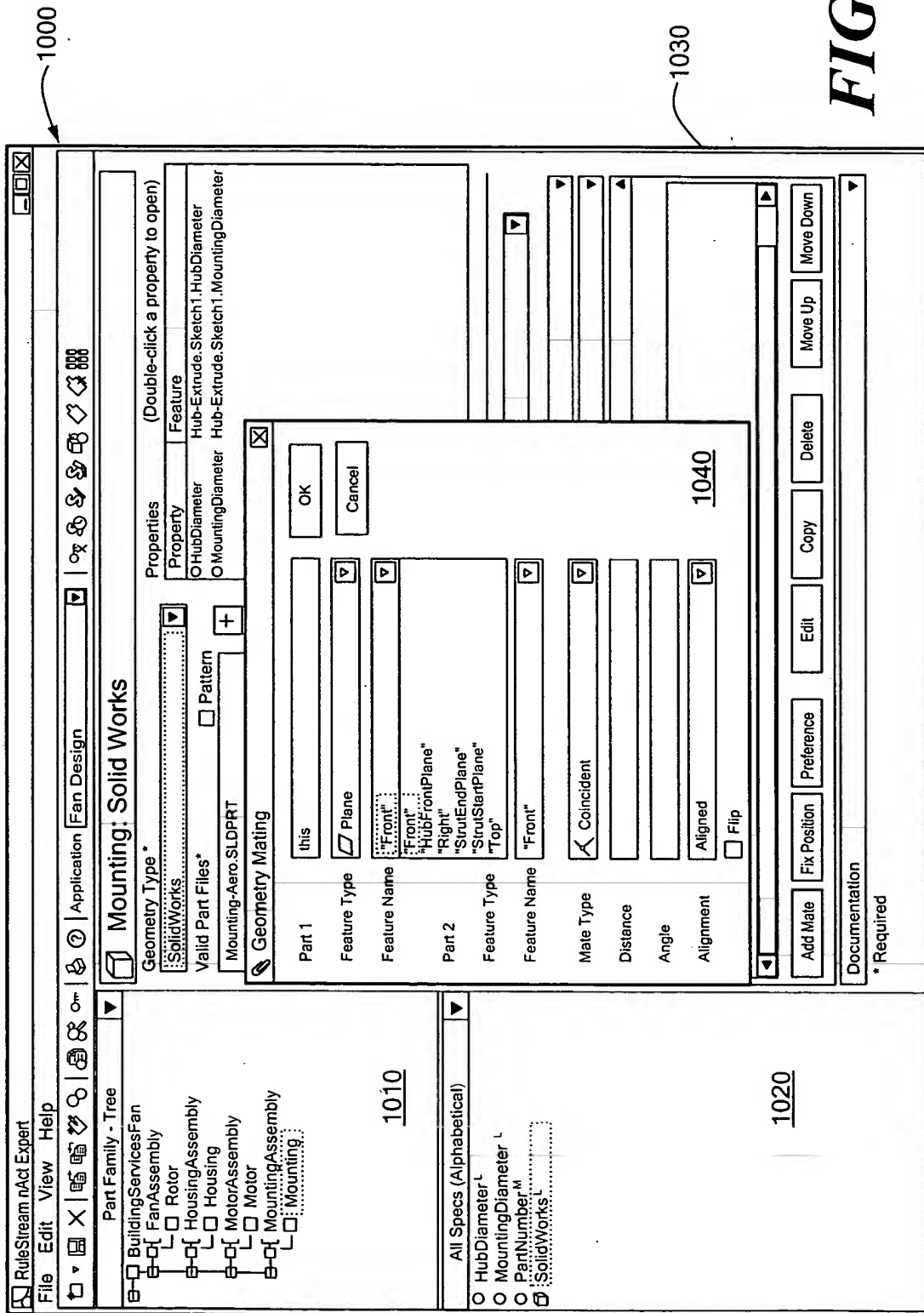


FIG. 10

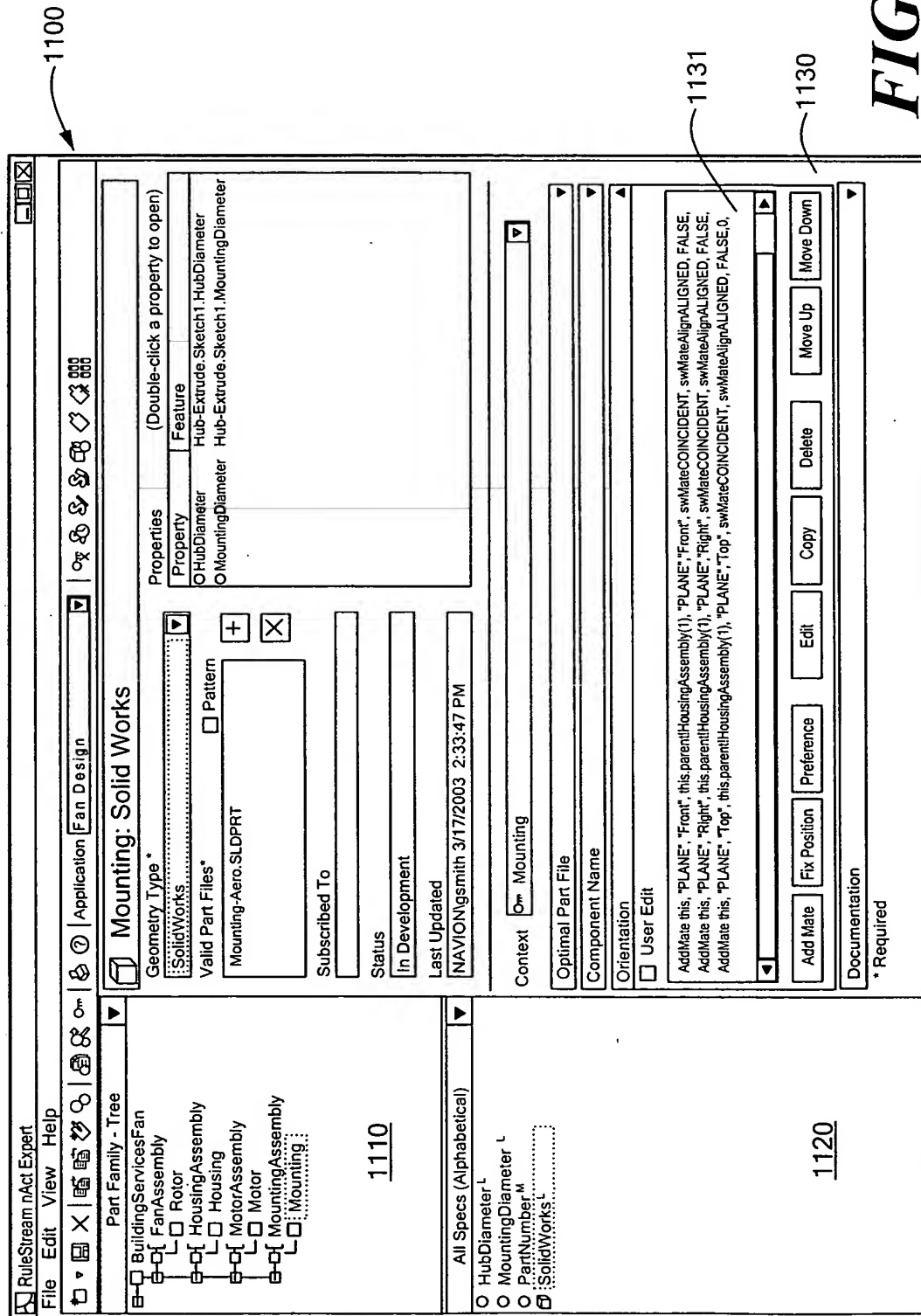
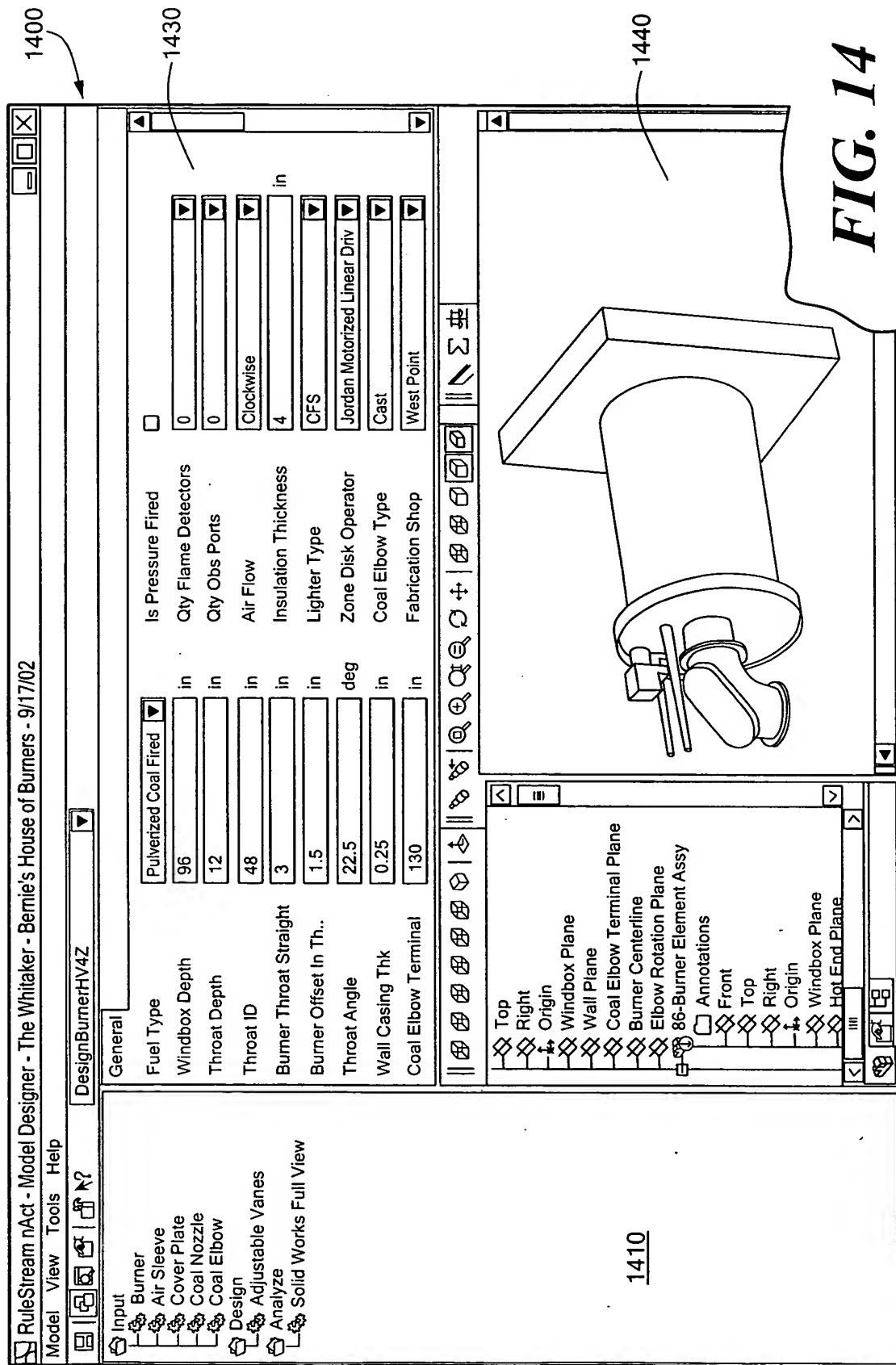
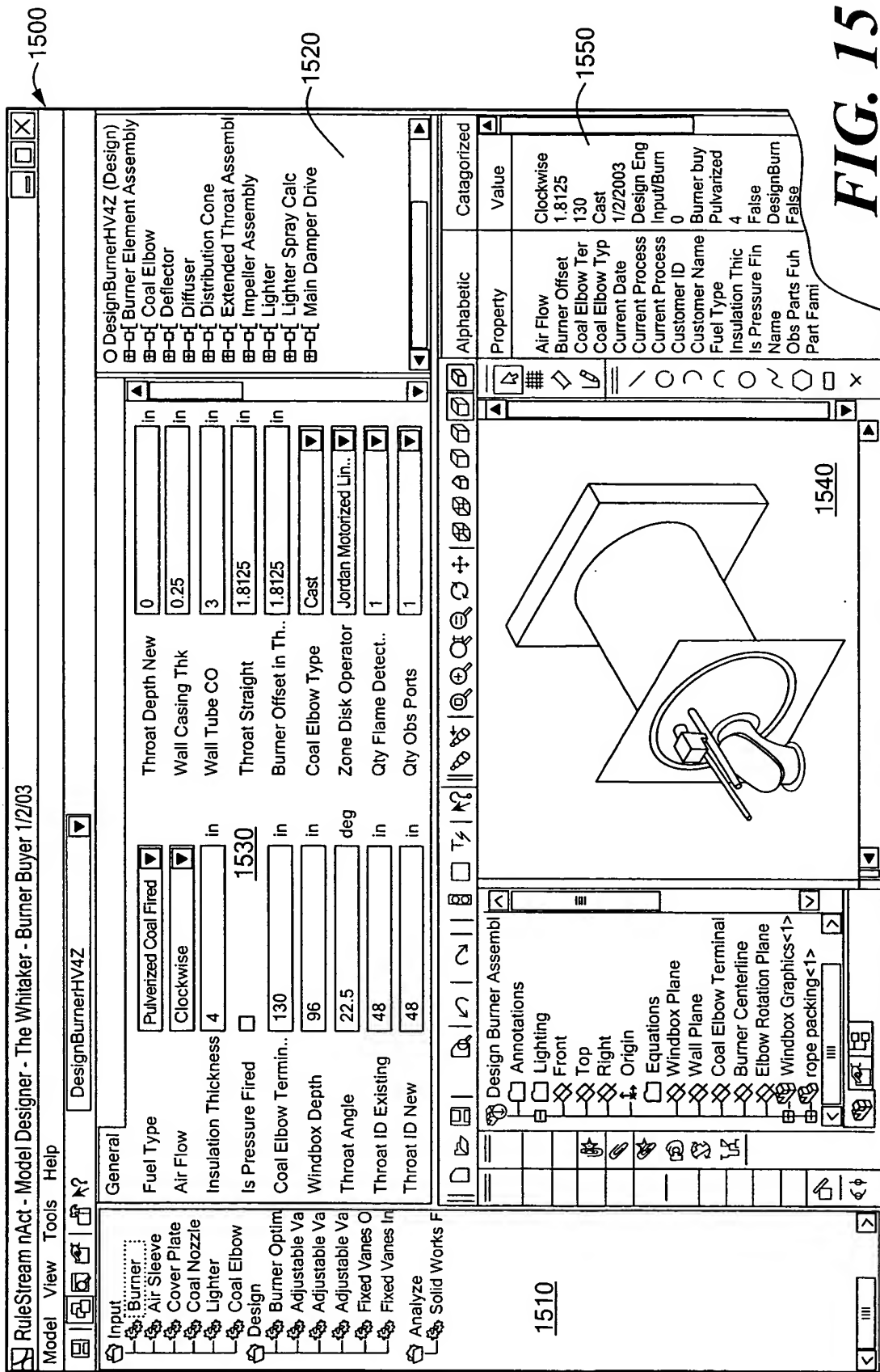


FIG. 11

RulesStream.nAct Expert		File Edit View Help	
		Application [Fan Design]	
Part Family - Tree <ul style="list-style-type: none"> - BuildingServicesFan <ul style="list-style-type: none"> - FanAssembly <ul style="list-style-type: none"> - Rotor - HousingAssembly <ul style="list-style-type: none"> - Housing - MotorAssembly <ul style="list-style-type: none"> - Motor - MountingAssembly <ul style="list-style-type: none"> - Mounting 		BuildingServicesFan: FanArea <p>Display Name * [Fan Area]</p> <p>System Name * [FanArea]</p> <p>Property Type * [Formula Driven]</p> <p>Data Type * [Double]</p> <p>Units [m^2(metres^2)]</p> <p>Category * [Requirements]</p>	
		Subscribed to []	
		Description []	
		Knowledge Source []	
		Status Released	
		Last Updated GROGANibrogan 8/22/2002 10:53:22 AM	
All Specs (Alphabetical) <ul style="list-style-type: none"> Density^L FanArea^L FanAssembly^L FanDiameter^L FanPressure^L FrequentStartStop^L HousingAssembly^L MotorAssembly^L MountingAssembly^L PartNumber^M SolidWorks^L SpecifiedSpeed^L SquareFlange^L VolumeFlowRate^L 		Context [BuildingServicesFan]	
		Formula <input type="checkbox"/> Auto Revert <input type="checkbox"/> Follow Part Number	
		If this!FanDiameter > 0 Then result = 3.141 * (this!FanDiameter / 2)^2 Else result = 0 Else	
		User Interface	
		Valid Values	
		When Changed	
		Database Constraint	
		Documentation	
		* Required	

FIG. 12





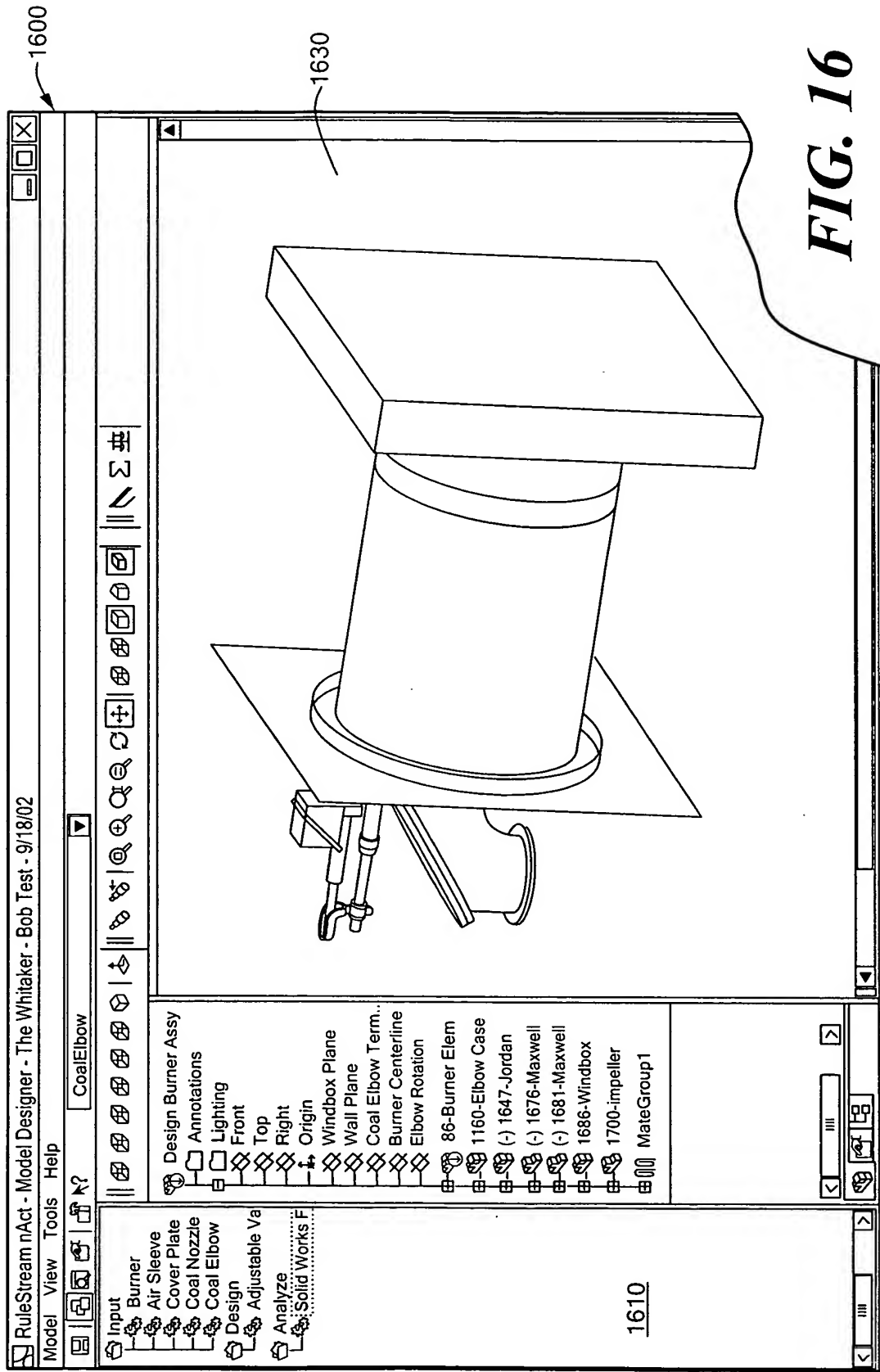
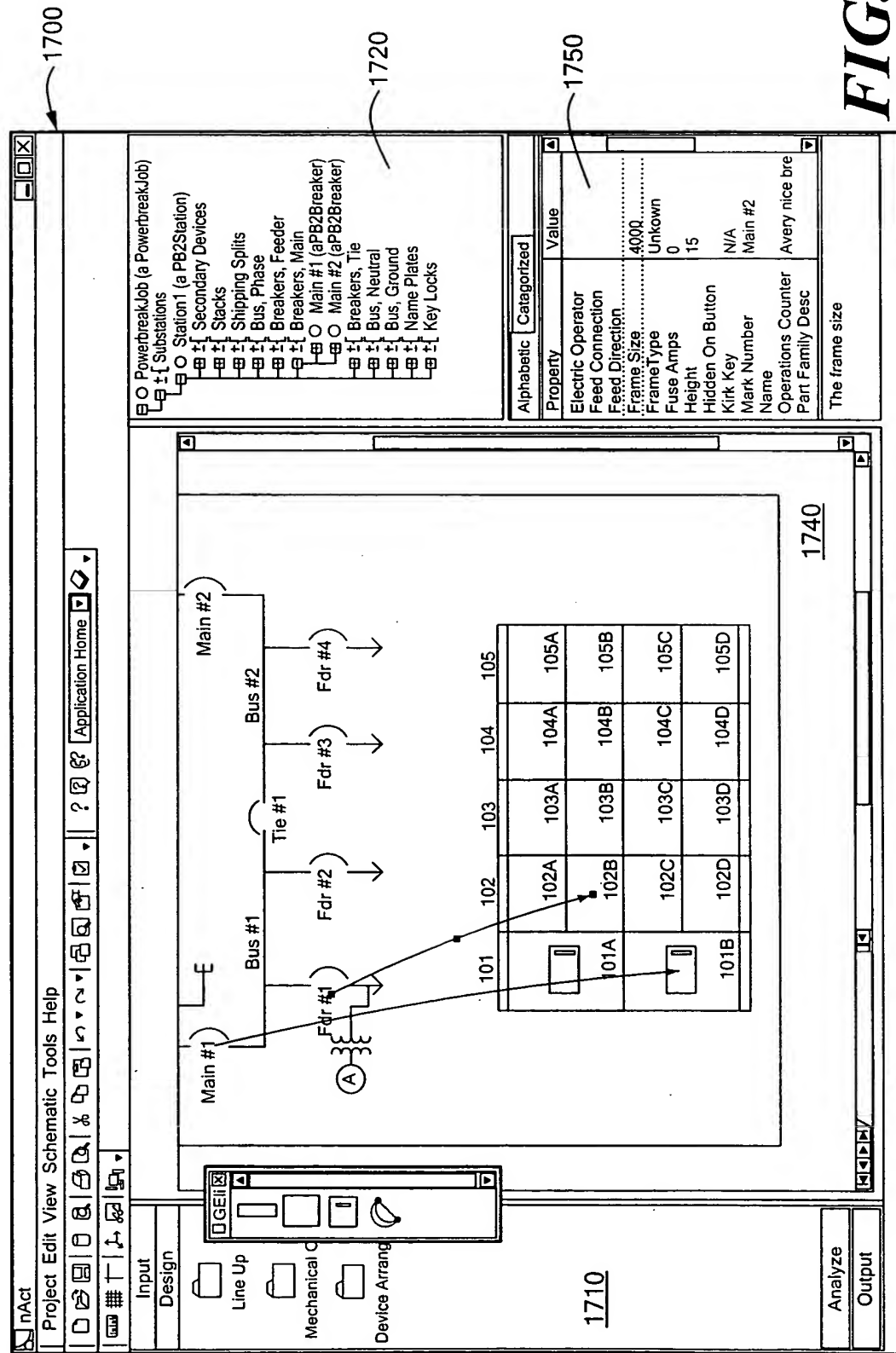


FIG. 16



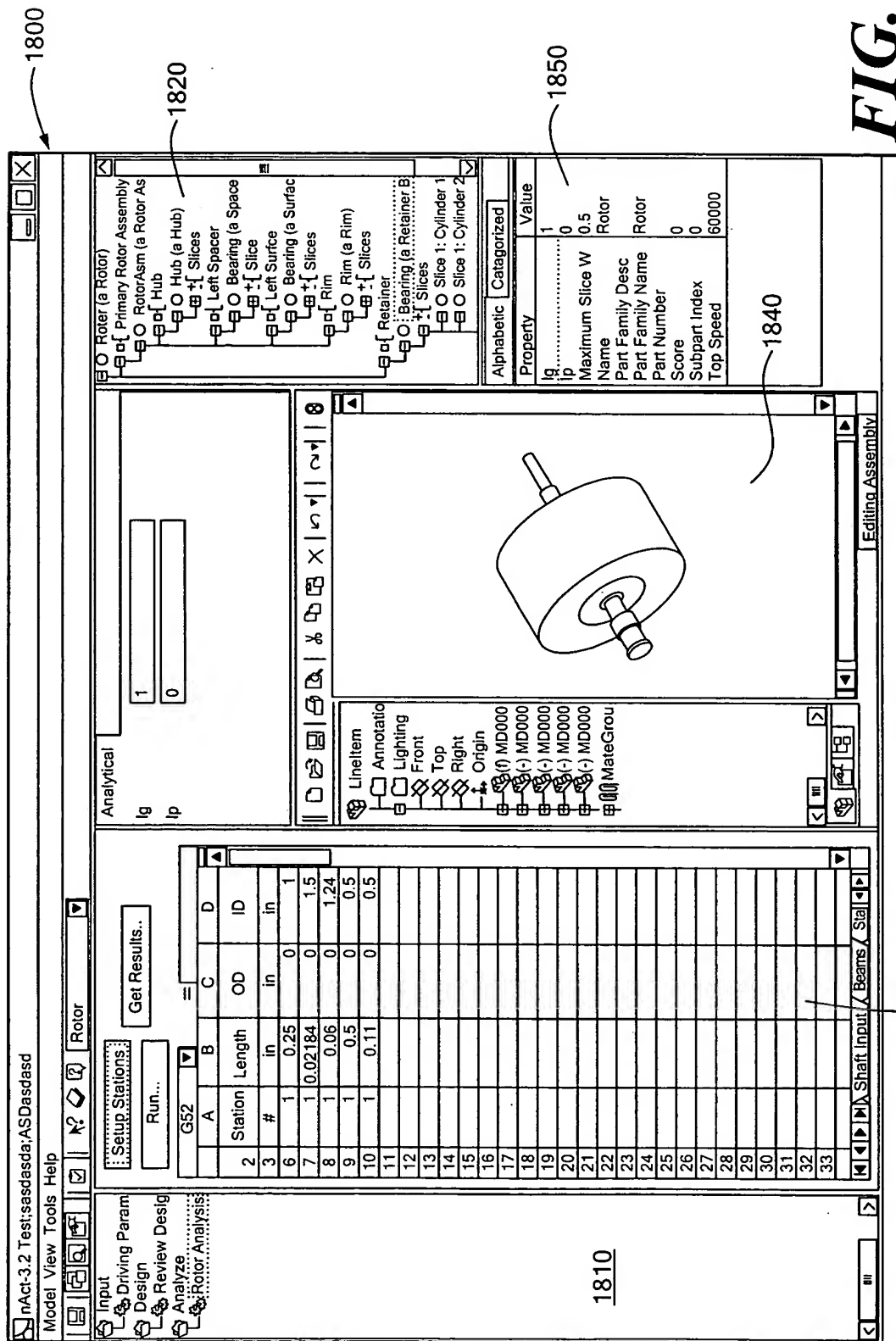


FIG. 18

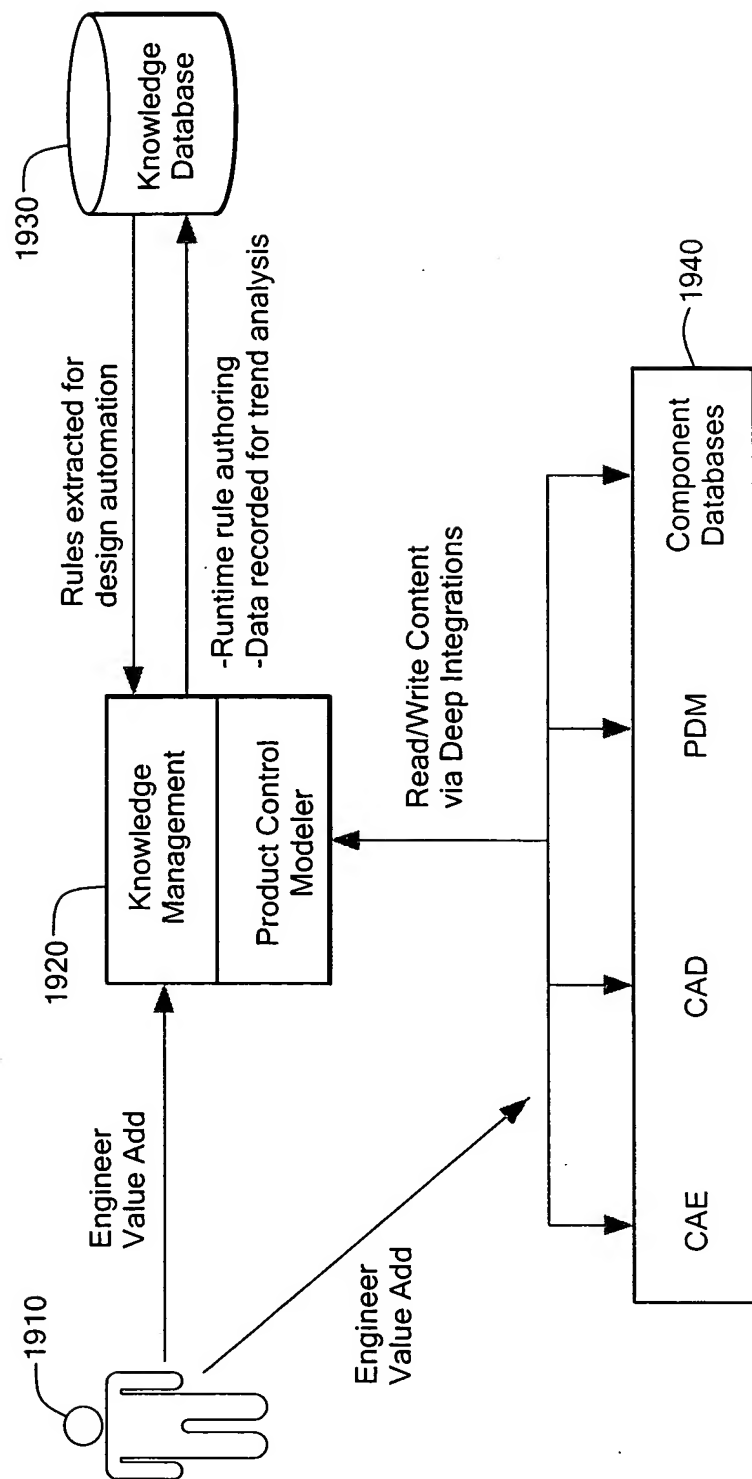


FIG. 19

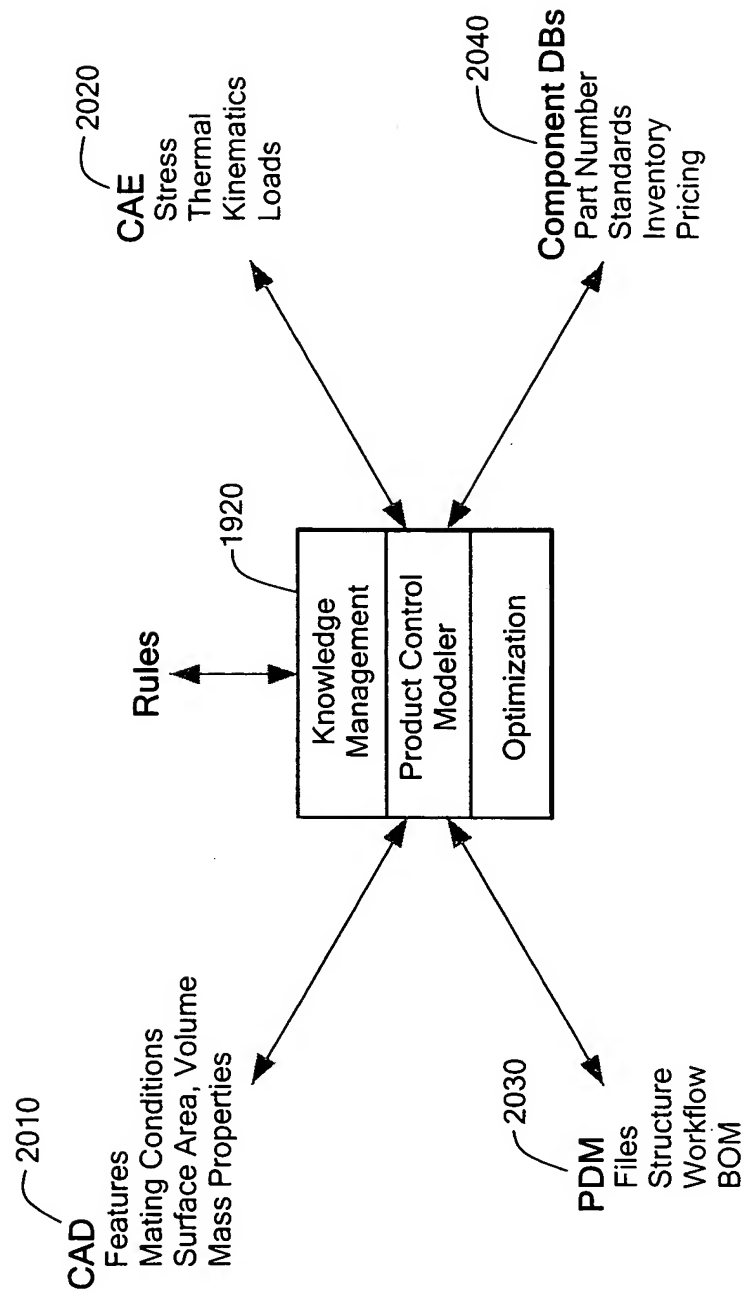


FIG. 20

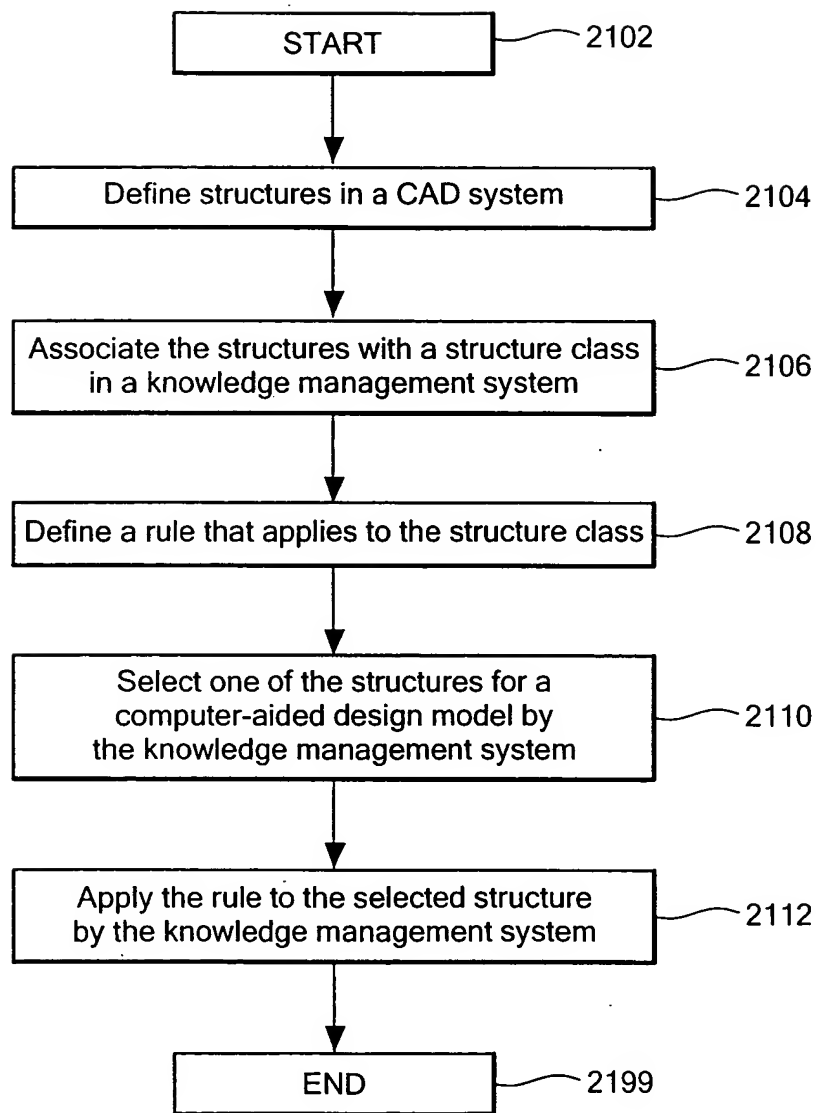


FIG. 21 2100

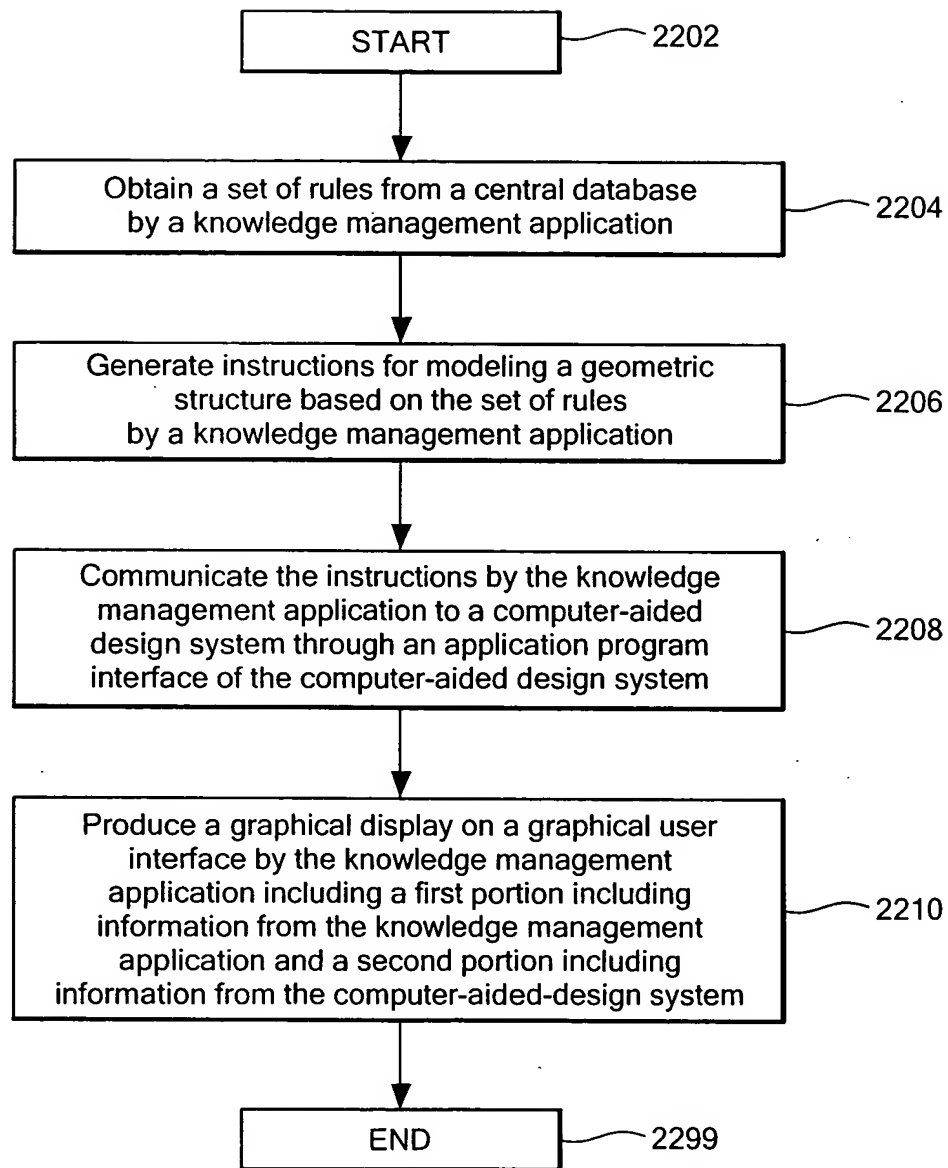


FIG. 22

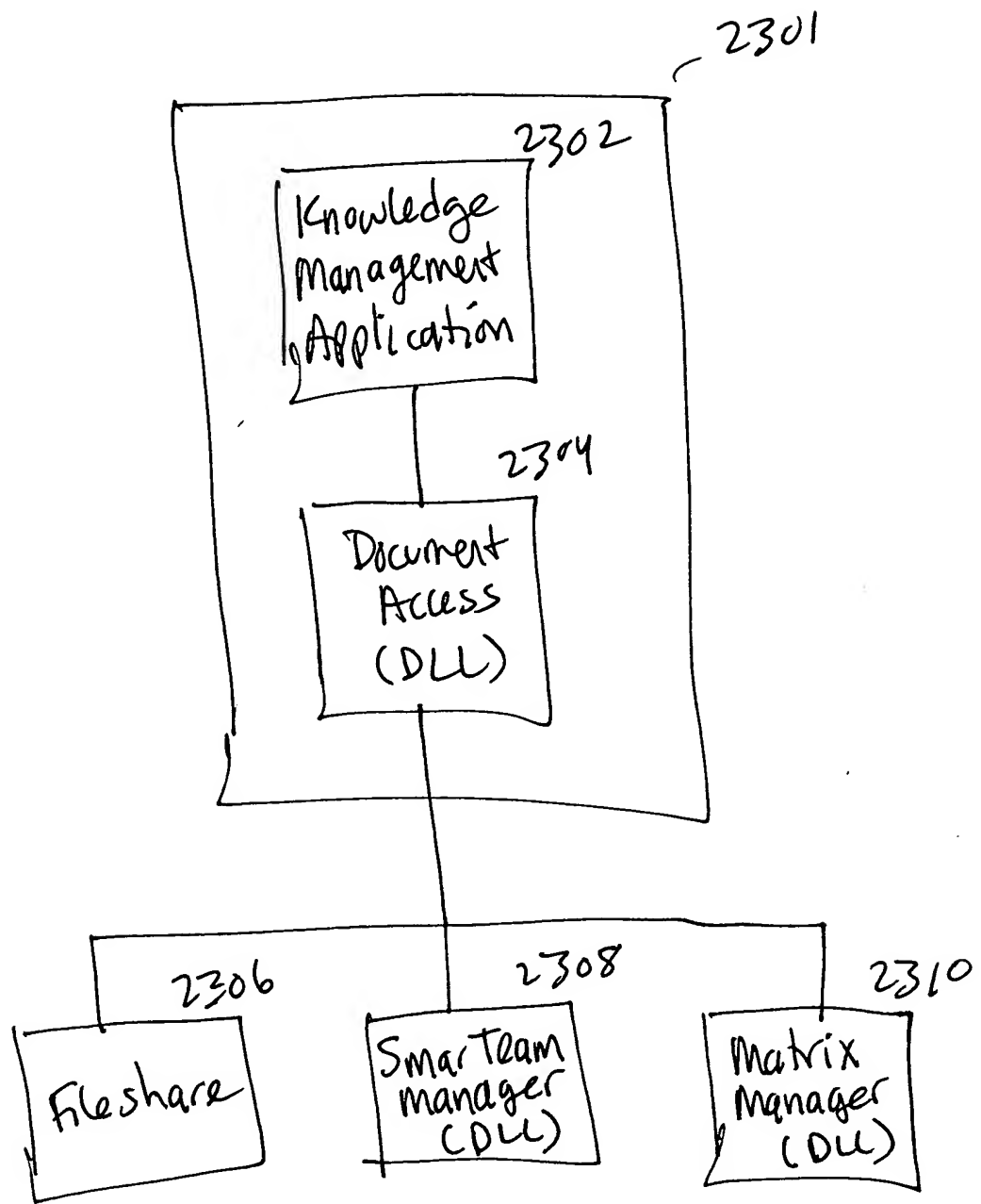


FIG. 23

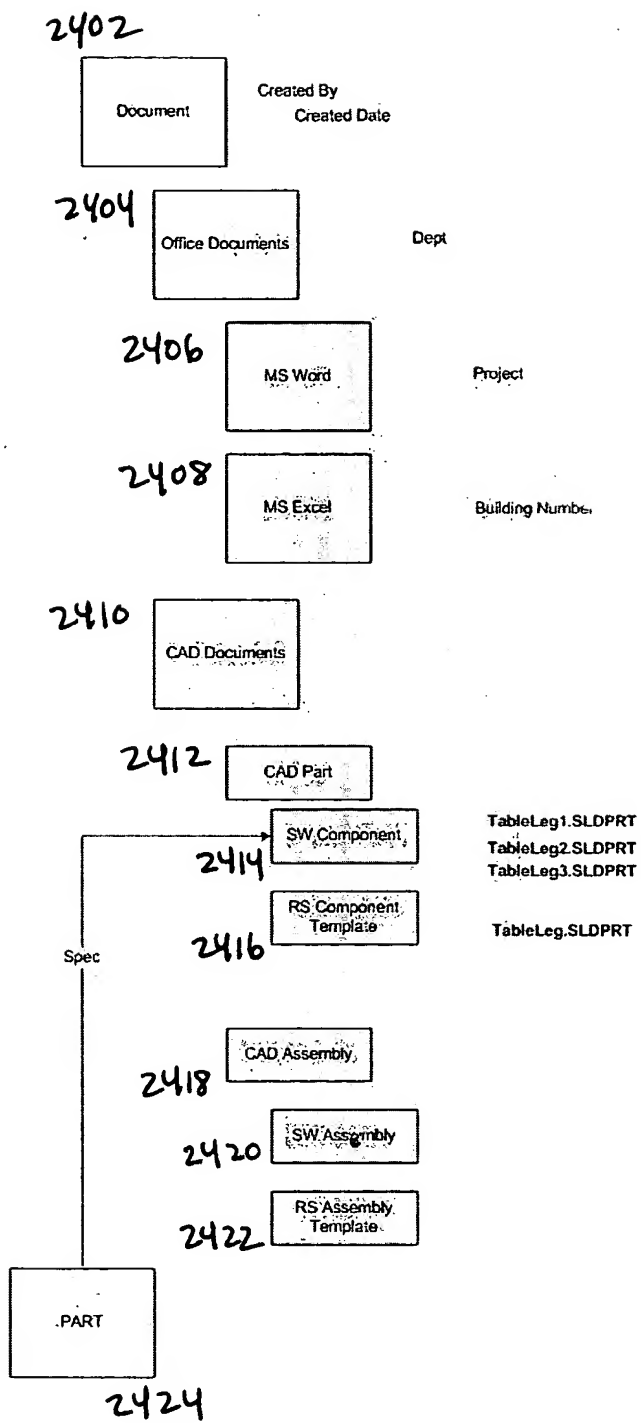


FIG 24

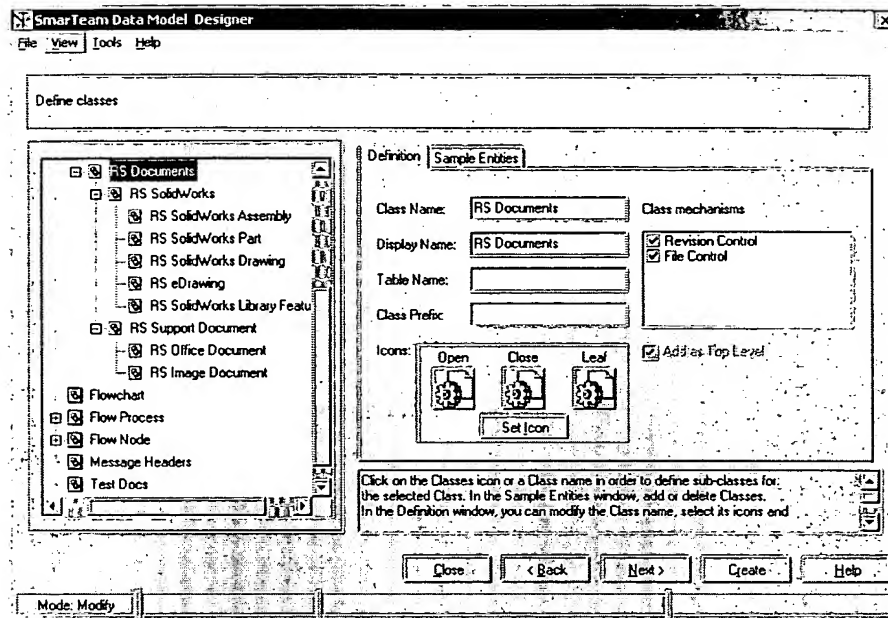


FIG. 25

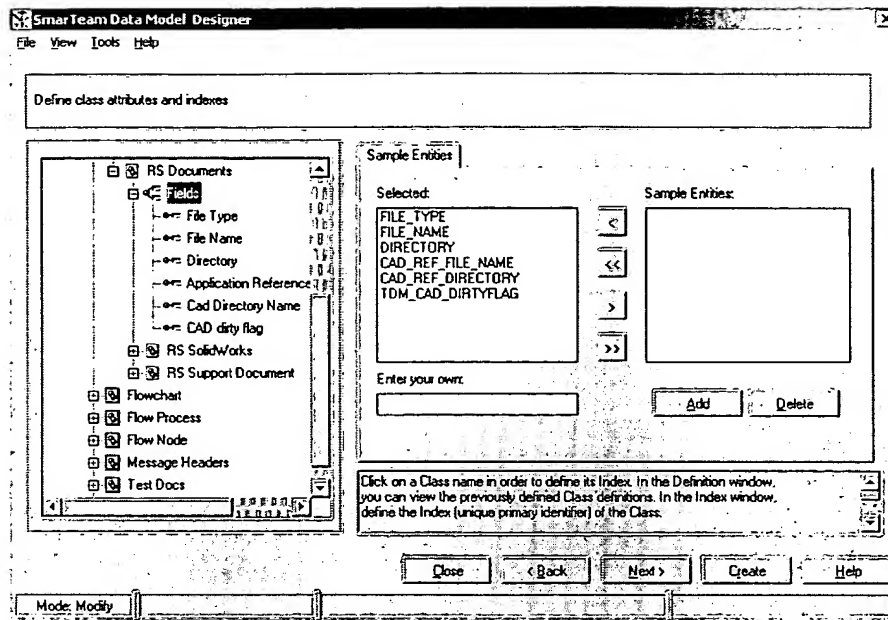


FIG. 26

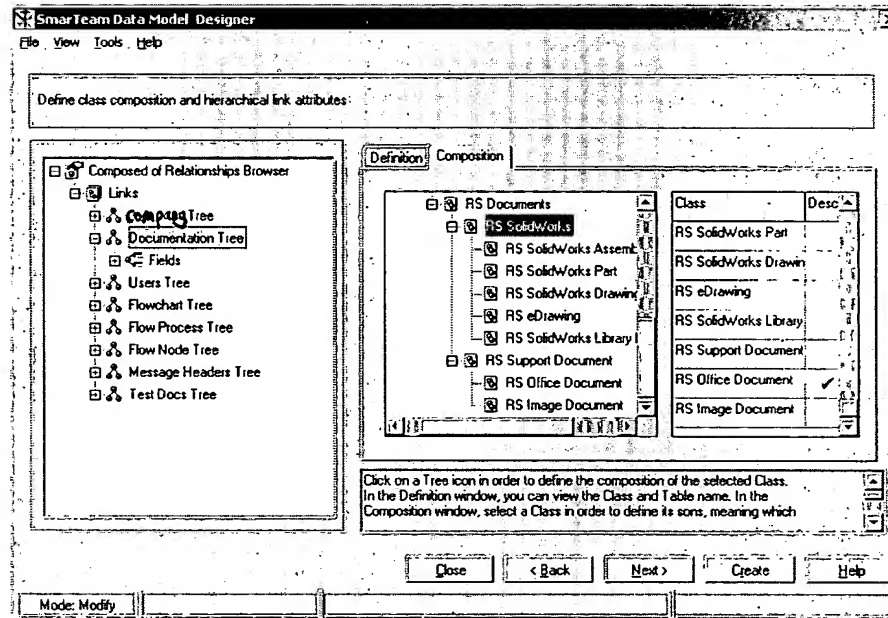


FIG. 27

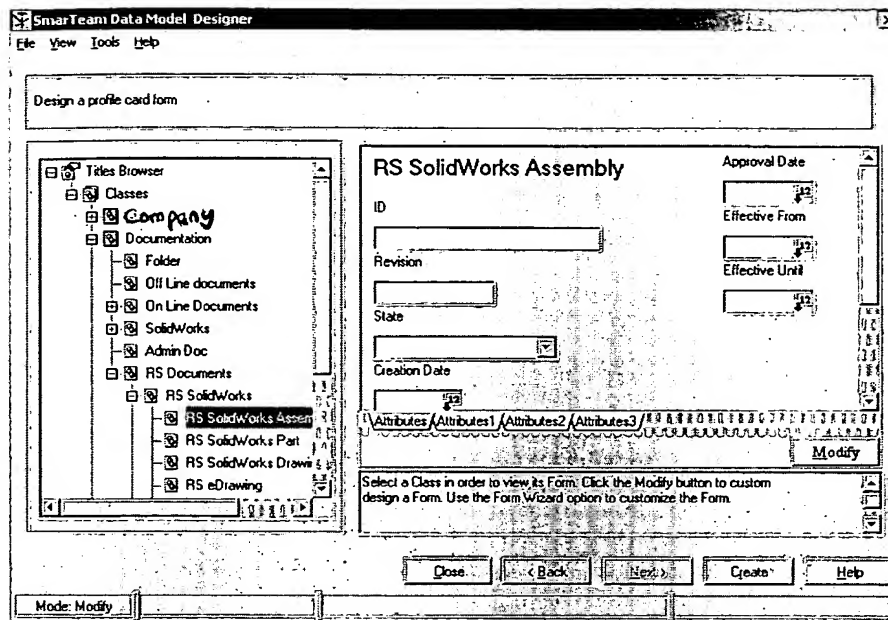


FIG. 28

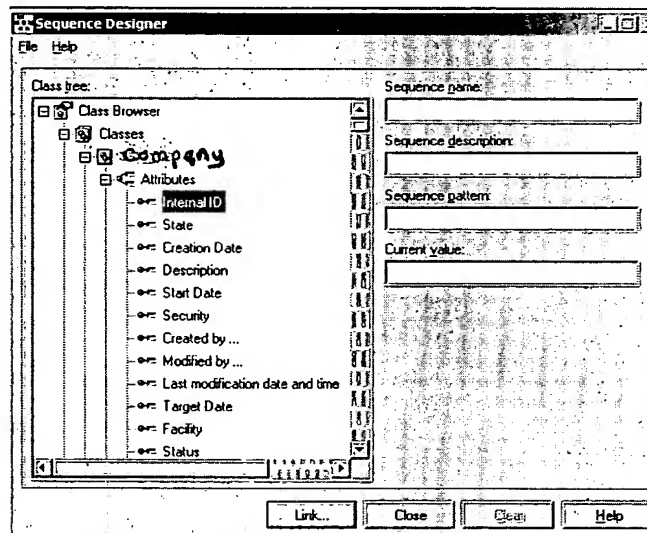


FIG. 29

Sequence Selection Dialog

Sequence Name	Description	Sequence Pattern	
DCN_Number	DCN Number	DCN-02-9999	Edt...
RuleStream Project		RS-99999999	New...
RuleStream Docum		RS-D0CS-999999	Delete...
REVISION_MASK		a.9.9	
Project	Proj_id	99999999	
Documentation	Documenta	99999999	
Customer	Customers	99999999	
Part_num	Part_num	99999999	
Company Class	Overall Counter	Company-9999	
Document Class		D0CS-99999999	
Flow Process		FLOW-999999	

Select Close Help

FIG. 30

Edit Sequences

Mask Info Pattern Info

Sequence name: RuleStream Document

Sequence description:

Sequence pattern: RS-D0CS-99999999

Check Pattern

Sequence value: RS-D0CS-00000006

Set Increment Check Value

☐ Revision mode

Separators: Group: ☒

☐ Add site prefix

OK Cancel Help

FIG. 31

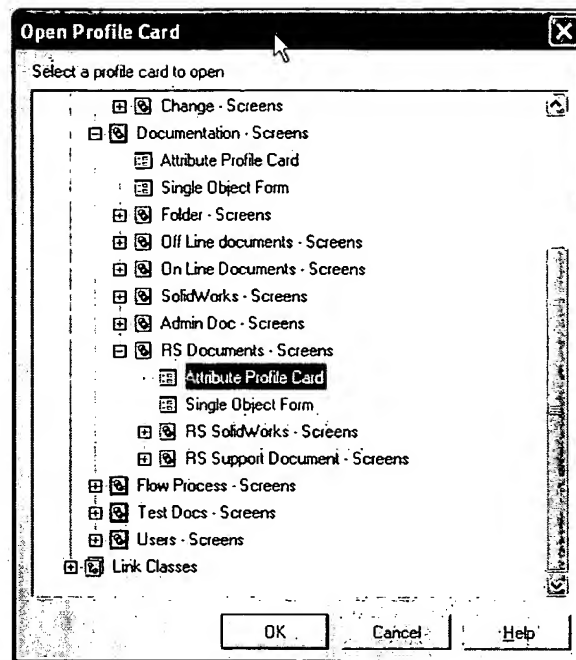


FIG. 32

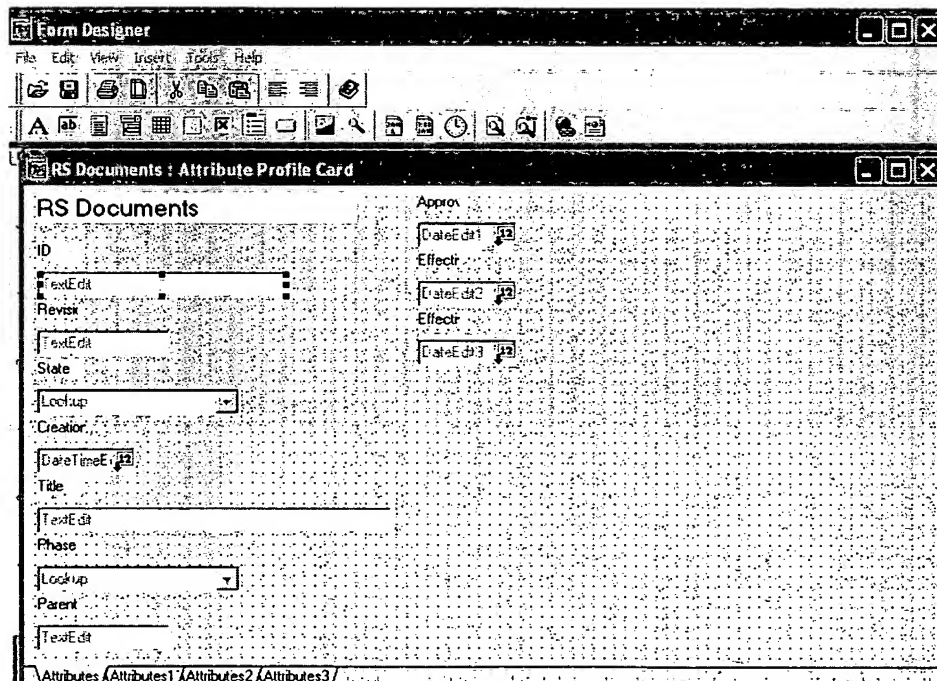


FIG. 33

Properties

TextEdit1

Color: -2147483643

Column: CN_ID

Font: MS Sans Serif 8.0 FFFF

Height: 21

Hint: ID

Left: 10

MaskName:

ReadOnly: False

Required: False

RightJustify: False

TabOrder: 0

Top: 67

Width: 194

Properties Events Information

FIG. 34

Sequence Selection Dialog

Sequence List

Sequence Name	Description	Sequence Pattern	Edit...
DCN_Number	DCN Number	DCN-03-9999	
RuleStream Project		RS-99999999	New...
RuleStream Docum		RS-DOCS-999999	Delete...
REVISION_MASK		a.9.9	
Project	Proj_id	9999999	
Documentation	Documenta	99999999	
Cutomer	Customers	99999999	
Part_num	Part_num	99999999	
Company Class	Overall Counter	Company-9999	
Document Class		DOCS-99999999	
Flow Process		FLOW-999999	

Select Close Help

FIG. 35

Profile Card		Links	Notes	Revision	Viewer
SolidWorks Assembly					
Part Number	1" TEMPLATE TEST ACTUATOR				
Revision	-0				
Title	1" TEST ACTUATOR ASSEMBLY				
Description	ACTUATOR WITH NO INTERNALS				
Facility	WILLOUGHBY #1 - 2101	End Connections		None	
Activity Center	New Product Development	<div>Add/Edit</div> <div>None</div>			
State	New				
Phase	Preliminary Design				
Security	Medium				
Assembly Type	Full View				
Configuration	Default				
<div>Attributes</div> <div>Model Info</div> <div>File Info</div> <div>Revision Info</div> <div>Gen Info</div>					

FIG. 36

Profile Card		Links	Notes	Revision	Viewer
SolidWorks Part					
Part Number	ALLOY-1-31S4				
Revision	C				
Title	31 SERIES BODY				
Description					
Facility	HIGHLAND - 2201	End Connections		1/4" Compary (2)	
Activity Center	Drafting	<div>Add/Edit</div> <div>None</div>			
State	Released				
Phase	Production				
Security	Medium				
Part Type	Body				
Configuration	ALLOY-1-31S4				
<div>Attributes</div> <div>Model Info</div> <div>File Info</div> <div>Revision Info</div> <div>Gen Info</div>					

FIG. 37

Profile Card | Links | Notes | Revision | Viewers

SolidWorks Drawing

Part Number	3-31R		
Revision	B		
Title	31 SERIES STEM		
Description			
Facility	HIGHLAND - 2201	End Connections	None
Activity Center	Drafting	<div>Add/Edit</div> <div>None</div>	
State	Released		
Phase	Production		
Security	Medium		
Drawing Type	Manufacturing		

Attributes | Model Info | File Info | Revision Info | Gen Info

FIG. 38

Company Document

Title	
Description	
Revision	
Facility	
Activity Center	
Document Type	
State	
Security	

Attributes | Attributes1 | Attributes2

FIG. 39

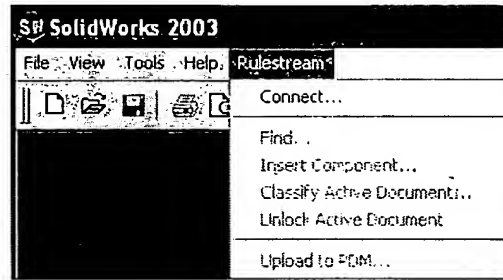


FIG. 40

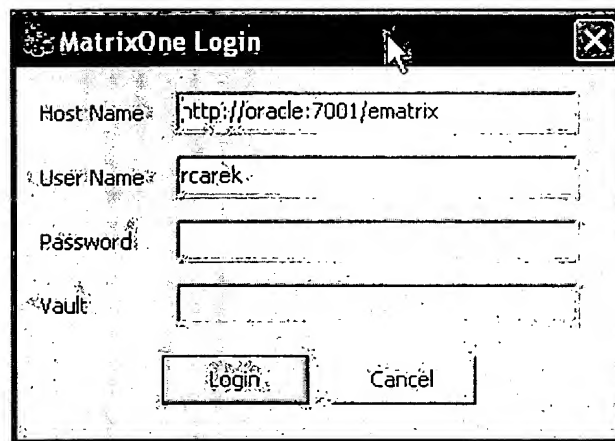


FIG. 41

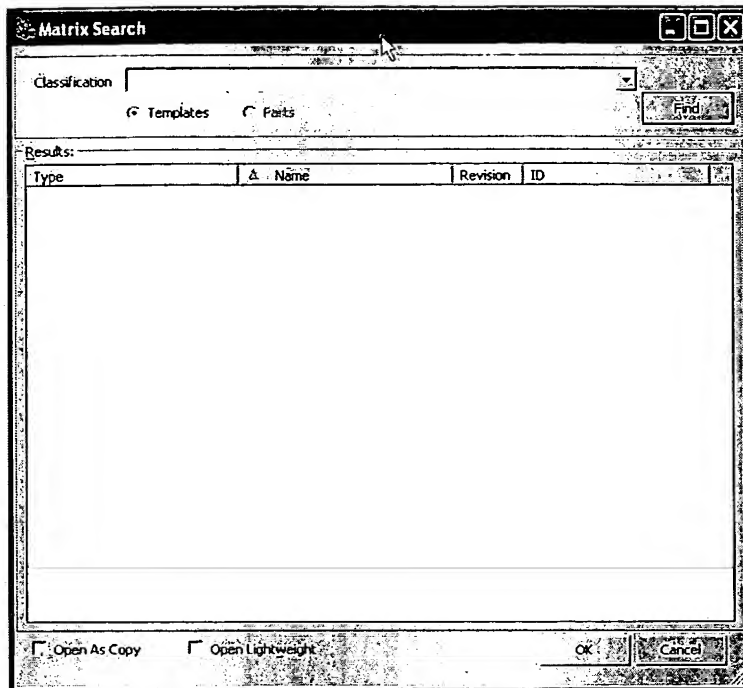


FIG. 42

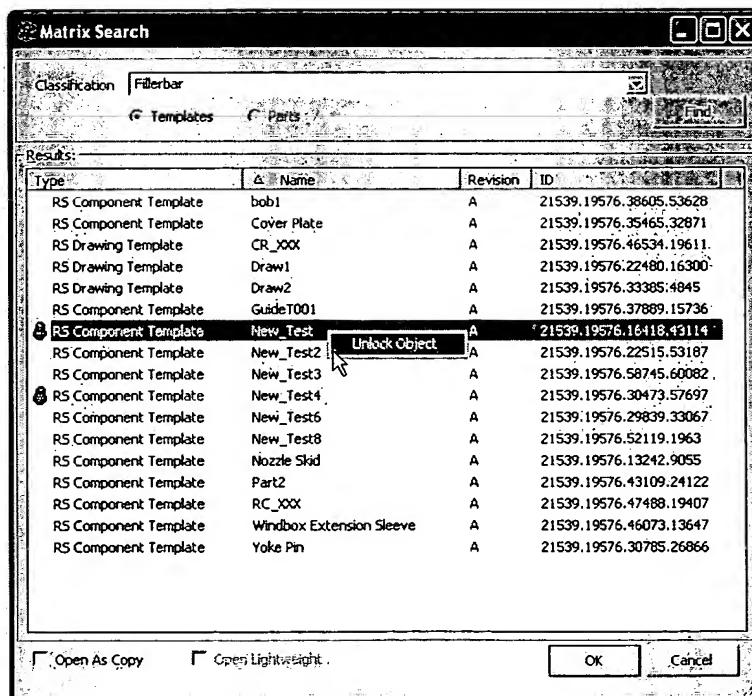


FIG. 43

Classify Active Document - .part_xx.SLDPRT

Classification:

☒ Relate This Document to a Part Object

Attributes

Attribute	Default Value	Research
-----------	---------------	----------

Research Relationships

Relationship	Type
--------------	------

Classify Cancel

FIG. 44

Classify Active Document - part_xx.SLDPRT

Classification:

Fillerbar

☒ Relate This Document to a Part Object

Attributes:

Attribute	Default Value	Research
Application		<input checked="" type="checkbox"/>
Application		<input checked="" type="checkbox"/>
Area		<input checked="" type="checkbox"/>
Center To Center		<input checked="" type="checkbox"/>
Class Type		<input checked="" type="checkbox"/>
Commodity Code	1234	<input checked="" type="checkbox"/>
Customs Harmonized Code	CHCF1234	<input checked="" type="checkbox"/>
Diameter - Outside Tube		<input checked="" type="checkbox"/>
Die	NO	<input checked="" type="checkbox"/>
Die Number		<input checked="" type="checkbox"/>
Drawing Template		<input checked="" type="checkbox"/>
E Text		<input checked="" type="checkbox"/>
Gauge		<input checked="" type="checkbox"/>
Item Type		<input checked="" type="checkbox"/>
Item Type		<input checked="" type="checkbox"/>
Length		<input checked="" type="checkbox"/>
Length		<input checked="" type="checkbox"/>

Research Relationships:

Relationship	Type
--------------	------

Classify Cancel

FIG. 45

Classify Active Document - New_Test.SLDPRT

Classification: Fillerbar

☒ Relate This Document to a Part Object

Attributes

Attribute	Default Value	Research
Application		<input checked="" type="checkbox"/>
Center To Center		<input type="checkbox"/>
Class Type	Single	<input checked="" type="checkbox"/>
Commodity Code	1234	<input checked="" type="checkbox"/>
Customs Harmonized Code	Fillerbar Customs Harmonized Code	<input checked="" type="checkbox"/>
Diameter - Outside Tube		<input type="checkbox"/>
Die		<input type="checkbox"/>
Die Number		<input type="checkbox"/>
Item Type	Commercial Assembly	<input checked="" type="checkbox"/>
Length	Commercial Assembly	<input checked="" type="checkbox"/>
Material Code	Commercial Piece Part	<input checked="" type="checkbox"/>
Number Of Tubes	Fabricated Assembly	<input type="checkbox"/>
Thickness	Fabricated Piece Part	<input type="checkbox"/>
Thickness - Gauge	Cast	<input type="checkbox"/>
Tool Location	Raw Material	<input type="checkbox"/>
Tool Number		<input type="checkbox"/>

Research Relationships

Relationship	Type
EBOM	Actuator

Classify Cancel

FIG. 46

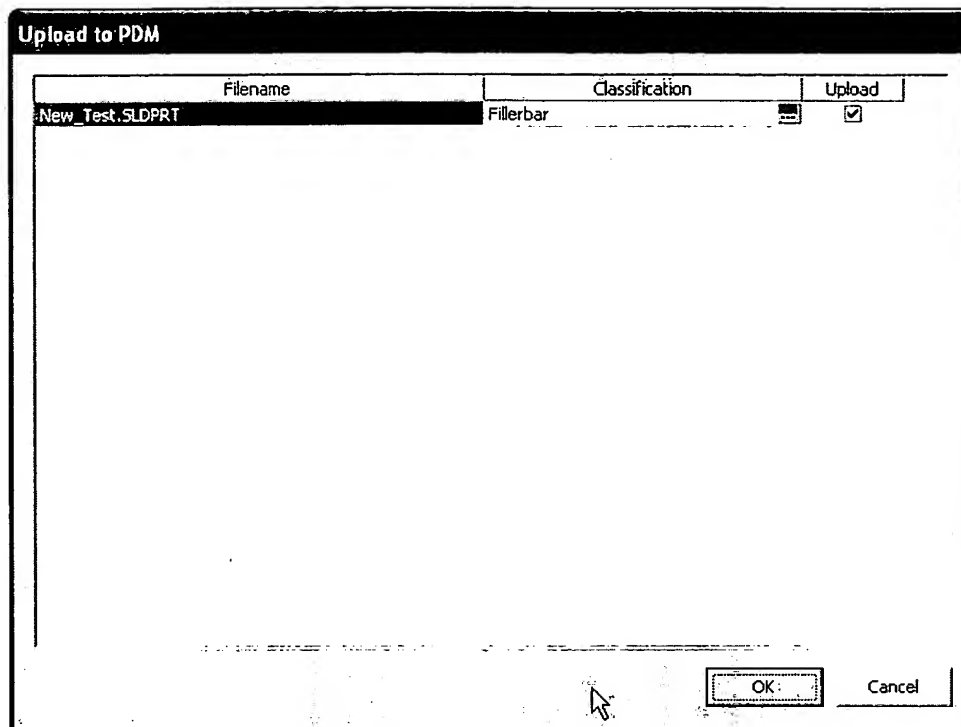


FIG. 47

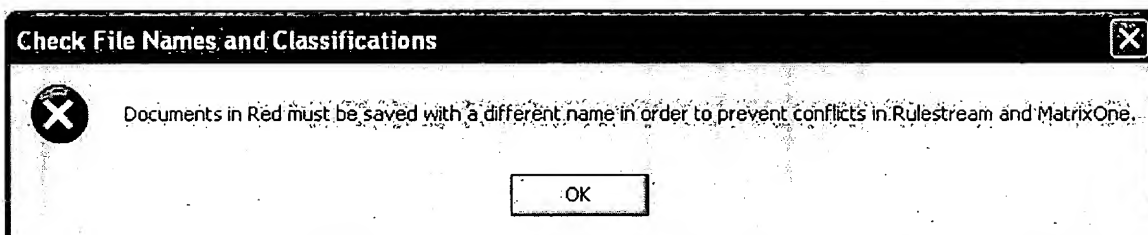


FIG. 48

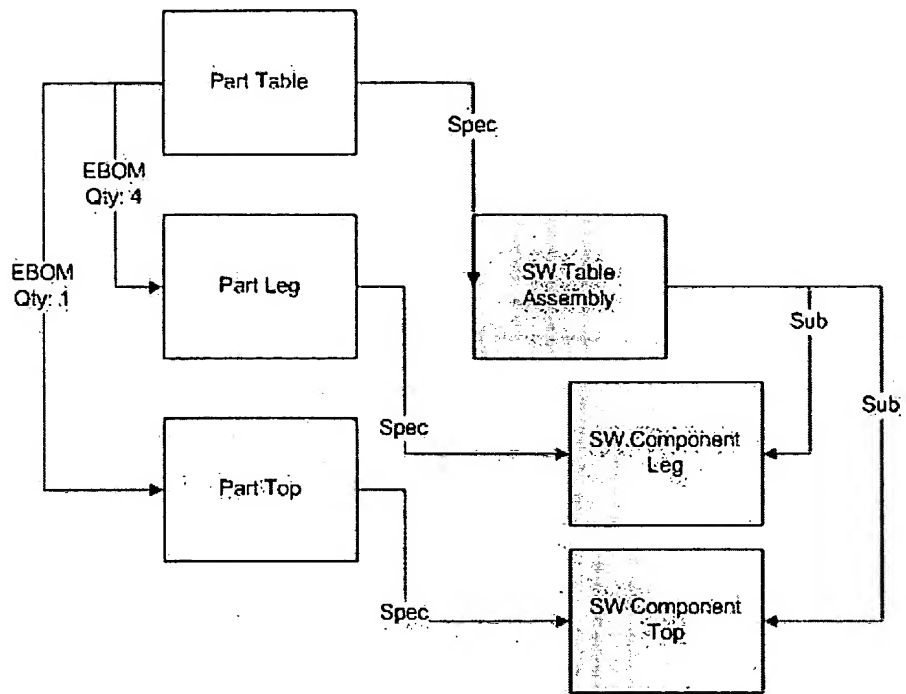


FIG. 49

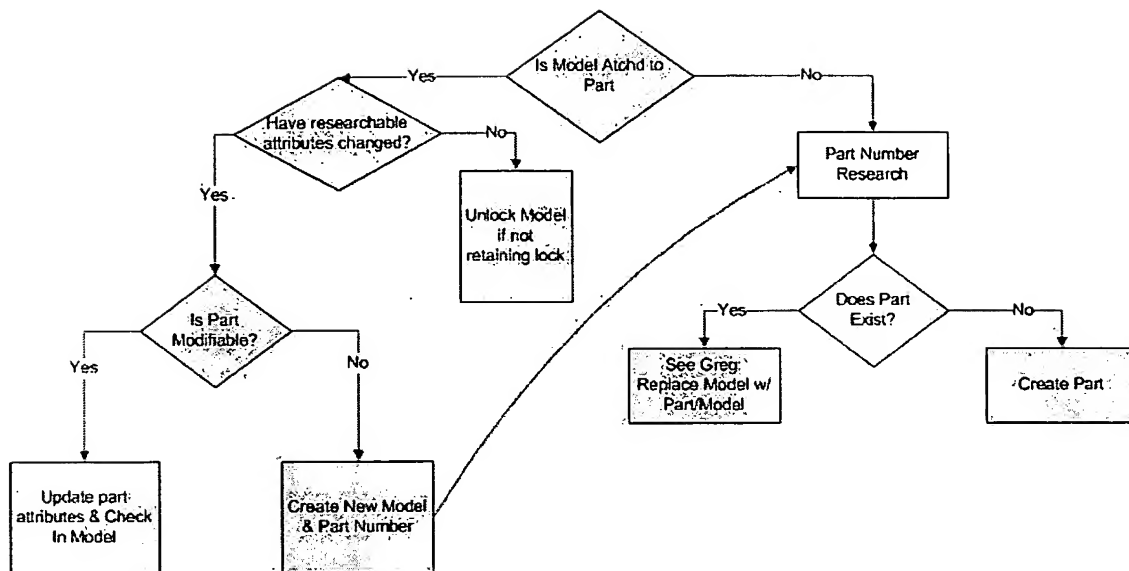


FIG. 50

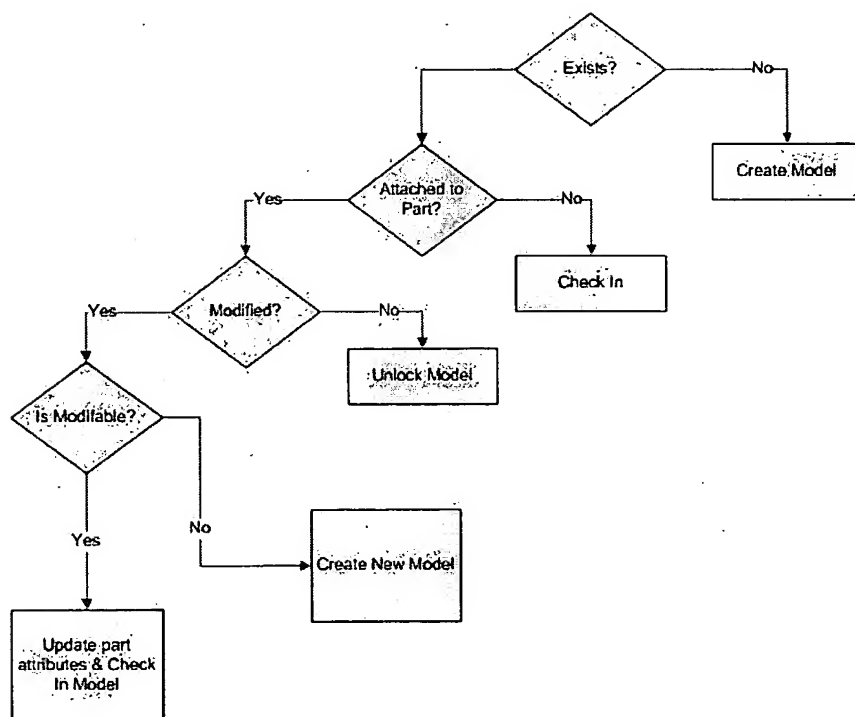


FIG. 51